

January 2026 Analytical Lab Services News

## Image of the Month: 430 Year Old Coin

This month's featured image showcases the surface structure of a 430 year old Spanish One Real coin. What does this coin have in common with today's coins? Nothing...

[Read More](#)

### 6 SEM's and growing

Our lab has come a long way from its humble beginnings. Initially focused on sample preparation and optical microscopy, it has steadily expanded to support advanced materials characterization. We now operate two tabletop SEMs, one compact SEM, one full-size SEM, and two field emission SEMs. Having purchased and deployed multiple SEM platforms, we bring a practical, user-driven perspective to SEM selection. Below are the criteria we considered during our purchasing process.



[Read the Full Blog](#)

## 430 Year Old Spanish One Real Coin - Under a Microscope!

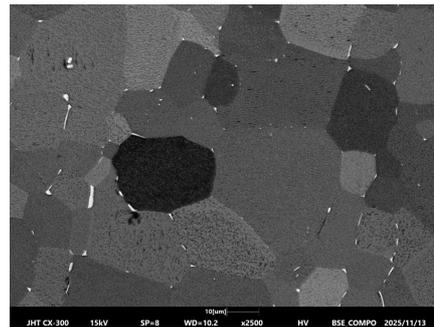


What happens when a 16th-century Spanish silver coin meets modern materials analysis? In this article, we take a 430-year-old Peruvian One Real *macuquina*—hammered by hand in the 1590s—and examine it using stereo microscopy, surface profilometry, SEM, and EDS. A practical look at how modern imaging tools can extract meaningful data from even the most well-traveled pieces of old money.

[See Full Article](#)

## New Application Note: Optimizing Ti-6Al-4V Sample Prep for EBSD Analysis

EBSD is a powerful tool for revealing grain structure and phase distribution in titanium alloys—but results are highly sensitive to surface preparation. In this application note, we present a practical, repeatable workflow for preparing Ti-6Al-4V for EBSD, showing how each preparation step impacts surface quality and EBSD data performance.



[See How It's Done](#)

## Workshop Update: “From Sample to Structure” Rescheduled to March 2026



Our EBSD Workshop has been rescheduled to March 2026. The program will deliver a hands-on, workflow-based experience covering EBSD fundamentals, sample prep, and data analysis with Bruker’s eWARP EBSD system.

[View Updated Workshop Info](#)

# Our Promise

We provide high-quality sample preparation and analysis services with faster turnaround times and competitive pricing—delivering unmatched value in the marketplace. Our commitment to precision, speed, and affordability ensures you get the results you need, when you need them, without compromising on quality

## Upcoming Events



Join us as we're hitting the road this season! Catch up with us and explore our latest tools at these upcoming events:

- **Jan 17-22** - [SPIE Photonics West](#)
- **Feb 17-19** - [SMTA Wafer Level Packaging 2026](#)
- **Feb 19-20** - [Texas Society for Microscopy Annual Meeting](#)

[See Full Calendar](#)

## Contact Us

Have an application you are trying to address? Do you need maintenance or support? **Contact us. We are happy to help.**

**(408) 436-6336**